

LISTING OF CLAIMS:

This listing of claims will replace all prior versions, and listing, of claims in the application.

1. (Currently Amended) A liquid cartridge comprising:

a container having a liquid supply port connectable to a flowing path communicating with a recording head of liquid jet printer, said container being a bottomed-box type container having said liquid supply port, and a lid member sealing an opening portion of said container;

a memory unit including a memory section storing therein data about a liquid housed in the container and an electric power generating section; and

~~a communication unit~~ an antenna portion provided on a wall opposed to a wall in which said liquid supply port is formed, and including ~~an antenna portion in which at least a rectangular conductive pattern is formed~~ electrically connected to said memory unit, which communicates the data in said memory section to a recording apparatus by radio, ~~said antenna portion being provided so as to occupy at least 70% of one wall surface region of said container~~ and said antenna portion can receive a carrier wave, which is converted into DC electric power by said electric power generating section to become working electric power.

2. (Cancelled)

3. (Currently Amended) The liquid cartridge according to claim 1, wherein said antenna portion is formed with ~~a conductive pattern constituting an antenna on a base body on~~ which the a conductive pattern is provided.

4. (Currently Amended) The liquid cartridge according to claim 1, wherein said antenna portion is formed with a conductive pattern constituting an antenna on a base body and by mounting said memory unit.

5. (Currently Amended) The liquid cartridge according to claim ~~1~~3, wherein ~~said antenna portion is formed with a conductive pattern constituting an antenna on a base body and by mounting~~ said memory unit and a ~~detection unit~~sensor detecting an amount of said liquid are provided on said base body.

6. (Currently Amended) The liquid cartridge according to claim 5, wherein an expansion part is formed at one end of said base body, and said ~~detection unit~~sensor is mounted on said expansion part.

7. (Original) The liquid cartridge according to claim 1, wherein said container is formed so that a width thereof is different according to a kind of the liquid, and another antenna portion of the same specification is provided on a wall opposed to a wall of said container on which said liquid supply port is formed.

8. (Original) The liquid cartridge according to claim 1, wherein a recess is formed in a region where said antenna portion is arranged, and the antenna portion is housed in said recess.

9. (Original) The liquid cartridge according to claim 8, wherein said recess is formed so that a depth thereof is larger than a thickness of said antenna portion.

10. (Original) The liquid cartridge according to claim 1, wherein a protective cover material is stuck onto at least an upper surface of said antenna portion.

11. (Original) The liquid cartridge according to claim 3, wherein said antenna portion is formed of a conductive layer formed on a rectangular base body, said conductive layer having rectangular and at least one spiral pattern.

12. (Original) The liquid cartridge according to claim 1, wherein a lever supporting an attachment operation is provided on at least one wall surface.

13. (New) The liquid cartridge according to claim 3, wherein said conductive pattern of said antenna portion is provided so as to occupy at least 70% of one wall surface region of said container.

14. (New) The liquid cartridge according to claim 1, wherein the carrier wave is transmitted from the recording apparatus, and

after stopping transmission of the carrier wave, the memory unit calculates an amount of said liquid housed in the container based on a signal from a sensor, and the amount of said liquid data about said liquid stored in the memory section are transmitted from said antenna portion to the recording apparatus.